

**ANDHRA PRADESH SOLAR POWER CORPORATION LIMITED**

From:  
The Superintending Engineer/Civil  
Flat No. 401 & 402, 4<sup>th</sup> Floor  
Garuda Enclave, Beside TG Plaza,  
Tadepally, Guntur Dist.

To:  
  
As per list

**Enquiry No. 07/2020-21/SE/APSPCL/Urachintala/DPR/D.No.418/20, dt.06 - 02-2020**

Sir,

Sub: - APSPCL – Urachintala Solar Project (600 MW) - Preparation of Detailed Project Report for establishment of solar project at Urachintala Village, Tadipatri mandal of Ananthapuramu Dist. - Sealed Quotations are invited – Regarding.

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The Andhra Pradesh Solar Power Corporation is proposing to establish 600 MW Solar Project at Urachintala Village of Ananthapuramu Dist. The proposed project site is located at a distance of about 15 KM from Tadipatri town.

Sealed quotations are invited from the reputed consultancies who are having experience in preparation of Detailed Project Reports. The sealed quotations shall be submitted on or before **3.00 PM on 17<sup>th</sup> February 2020** to the **Superintending Engineer, Civil, APSPCL, Flat No. 401 & 402, 4<sup>th</sup> Floor, Garuda Enclave, Beside TG Plaza, Tadepally, Guntur Dist** and the same will be opened in the chambers of the Chief Operations Officer on **17<sup>th</sup> February 2020 @ 4.00 PM**.

The sealed covers shall be superscribed with “Quotation for Preparation of Detailed Project Report for establishment of Solar Project at Urachintala Village, Tadipatri mandal of Ananthapuramu Dist.”. The quotation shall be in accordance with the terms and conditions specified in the Detailed Tender Specification. The details may also be obtained from [www.apspcl.ap.gov.in](http://www.apspcl.ap.gov.in)

It is requested to furnish your lowest offer in a sealed cover.  
Encl.: 1. Detailed Tender Specification along with price schedule

Yours faithfully,  
Sd/-  
Superintending Engineer/Civil  
APSPCL – Tadepally

Copy to Notice Board  
Copy submitted to the E.E/T to C.M.D/APSPCL for kind perusal of CMD  
Copy submitted to V.C & M.D/NREDCAP/Tadepally for favour on information\*  
Copy submitted to C.E/Civil/General, C&I, Hydrel/APGENCO/Vidyut Soudha/Gunadala\*  
Copy to the Deputy Executive Engineer/Electrical/APSPCL/Kurnool\*  
Copy to the Deputy Executive Engineer/Civil/APSPCL/Kadiri\*  
Copy to the Assistant Executive Engineer/Civil/  
\*for displaying on the notice boards

## **DETAILED TENDER SPECIFICATION**

### **1. SCOPE OF TENDER:**

Preparation of Detailed Project Report for establishment of Solar Project at Urichintala Village of Tadipatri Mandal of Ananthapuramu Dist. of Andhra Pradesh covering all the aspects as required as per the standard format for solar projects/Parks for submission to statutory authorities like MNRE, SECI, Government of Andhra Pradesh etc.,

### **2. SCOPE OF WORK:**

The scope of services shall include site visit, collection of required data, , study of land topography, soil investigation, conducting engineering surveys, preparation of plot plan duly incorporating all components of solar project, planning, designing, detailing of various components like Solar panel arrays, Sub pooling stations, cable racks, transformers, inverters, internal roads, drainage arrangements, trenches, water supply and distribution arrangements, evacuation corridors, street lighting, telecommunication networks, common building infrastructure - preparation of quantity and cost estimates, scheduling of project, submission of DPR.

The scope of the work shall be divided as per mile stones given below.

#### **Mile Stone 1 – Site visit, collection of data and preparation of plot plan**

- Site visit, collection of data on various infrastructure requirements, availability of construction materials required during development of solar project/park and environmental aspects.
- Study of land topography, assessing un-usable areas, obtaining levels, 5m contours, preparation of project plot plan duly indicating solar panel arrays, sub pooling stations, transformers, inverters, cable rack arrangements, roads, drains, street lighting, water storage tanks, water distribution network, switch yards, power evacuation network, common control building, administrative building, storage shed, fire station building, pumping stations, meteorological

station, watch towers, area for township and all other facility that are generally required for solar projects/parks.

### **Mile Stone 2 – Land and infrastructure**

- Conducting detailed survey for roads, drains and cable trenches, longitudinal survey for finalization of alignment of road, drains, trenches
- Geological and geotechnical investigation using trial pits or by observing physical features, conducting soil tests for bulk density, dry density, measuring cohesion and angle of internal friction of soil, assessing bearing capacity.
- Review of environmental issues, highlighting climatic, environmental and seismic conditions which can affect the progress, life and performance of solar projects.
- Report on geotechnical investigations, soil resistivity
- Conducting ground water study and ground water analysis, identifying nearby water sources for cleaning of solar panels
- Abstract cost of Land and civil infrastructures

### **Mile Stone 3 – Detailed Engineering of Solar Project**

- Study, Design and Engineering of various components of solar projects like solar panels, inverters, transformers, cables, preparation of project layout plans, Pooling stations, internal evacuations
- Foundations, Module Mounting Structures,
- Furnishing design basis reports, design calculations, concept drawings of all components,
- Furnishing abstracts of Solar Project Costs

### **Mile Stone 4 – Finalization of Detailed Project Report**

- Furnishing financial analysis including estimates of revenue and operating costs, profitability analysis, projected balance sheet and cash flow

- Furnishing Project implementation schedule.
- Chapter wise compilation of Detailed Project Report
- Submission of draft copies (Two) of DPR for APSPCL comments
- Attending to the remarks/ comments/ suggestions of APSPCL and incorporation of the same in the final DPR.
- Submission of final DPR along with drawings in A-0 size

### **3 TIME SCHEDULE**

The entire scope of consultancy services including designs and drawings shall be completed within four months from the date of receipt of work order. However, the milestone wise scheduled completion date shall be as below:

- I. Mile Stone 1 – 10 days from receipt of purchase order.
- II. Mile Stone 2 – 10 days from receipt of purchase order.
- III. Mile Stone 3 – 20 days from receipt of purchase order.
- IV. Mile Stone 4 – 5 days from receipt of purchase order.

### **4 TERMS OF PAYMENT**

Payment shall be made within seven days from the date of submission of the bill. Payment schedule shall be as follows:

- I. On completion of Mile Stone 1 – 25 %
- II. On completion of Mile Stone 2 – 25 %
- III. On completion of Mile Stone 3 – 40 %
- IV. On completion of Mile Stone 4 – 10 %

### **5 RECEIPT OF TENDERS:**

The sealed bids shall be submitted on or before **3.00 PM 17<sup>th</sup> February 2020** to the Superintending Engineer, Civil, APSPCL , Flat No. 401 & 402, 4<sup>th</sup> Floor Garuda Enclave, Beside TG Plaza, Tadepally, Guntur Dist., and the same will be opened in the chambers of Chief Operations Officer / APSPCL **at 4.00 PM.**

TENDERER

The Tender cover shall contain the superscriptions “Preparation of Detailed Project Report for establishment of solar Park at Urichintala Village of Ananthapuramu Dist.

## 6 **VALIDITY**

The tender shall be valid for a period of 60 days from the date of opening of the tender.

## 7 **PRICES:**

The prices quoted for “Preparation of Detailed Project Report” shall be firm and inclusive of all except GST which will be paid as per actual.

## 8 **STANDARDS OF DPR:**

The Detailed Project Report shall be strictly prepared as per the latest guidelines if any for solar projects. The designs shall be carried out as per the relevant Bureau of Indian Standards.

## 9 **PENALTY:**

In the event of any delay beyond the stipulated dates given in clause No.3, the corporation reserves the right to recover from the supplier a sum equivalent to 0.5% of Purchase Order value for each week of delay and part there of subject to a maximum of 5% of the total value of order.

## 10 **EMD:** -

0.5% of the quoted value in the form of Demand Draft drawn in favour of Managing Director /APSPCL. *The EMD shall be paid along with the offer. The offers without EMD will not be accepted.*

**11 SECURITY DEPOSIT:**

The EMD of the successful bidder will be retained with APSPSCL and adjusted towards the Security Deposit. The successful bidder shall deposit the balance security deposit @ 2.0% of the quoted price to make a total of 2.5% of quoted value in the form of Demand Draft /Bank Guarantee in favour of Managing Director / APSPCL within a week from the date of receipt of Purchase Order. The Security Deposit will be released after approval of final DPR.

**12 SUBMISSION OF REPORT:**

a) Two (2) copies of Draft DPR along with two sets of draft drawings in A-1 size and one soft copy of DPR and drawings.

b) Five (5) sets of final DPR with A-0 size drawings and 2 sets of soft copies of the report in Microsoft word & Excel format and drawings in Auto cad format and PDF format.

**13 ARBITRATION: -**

All and any disputes or differences shall be decided by courts or tribunal situated in cities of Amaravati, Andhra Pradesh only. No suit or other legal proceedings shall be instituted elsewhere.

**14 GENERAL:**

Village combined map containing the survey numbers, extent of land etc., will be given to the successful bidder. No facilities of any kind will be provided by APSPCL in carrying out investigations. The consultant shall make his own arrangements for transportation, conveyance or accommodation etc., during their visits to the site or to APSPCL office, or other statutory offices. Carrying out soil investigations shall be done in close co-ordination with Revenue Department. The copies of Firm registration, Experience of similar works executed, Service Tax registration and PAN card shall be furnished along with your offer.

**Sd/-  
SUPERINTENDING ENGINEER/CIVIL  
APSPCL – TADEPALLY**

TENDERER

**SCHEDULE OF WORK:**

S.No.	Quantity	Description of work	Lump Sum Amount in	
			Figures Rs.-Ps.	Words
1	One Project	Preparation of Detailed Project Report for establishment of 600 MW Solar Project in Urichintala Village, Tadipatri mandal of Ananthapuramu Dist of Andhra Pradesh as per the detailed specification.,		

**TOTAL (in Fig. & Words):**

Sd/-  
**SUPERINTENDING ENGINEER/CIVIL**  
**APSPCL – TADEPALLY**

TENDERER